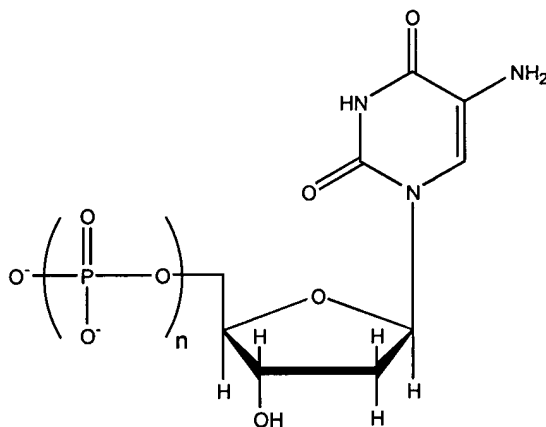## In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

Please amend claims 4, 5, 7, and 31-33 as noted below.

1-3.　　(Canceled).

4.　　(Currently Amended)　A method of synthesizing a ~~composition~~ compound, comprising:

　　　　providing a species comprising a nucleoside; and

　　　　reacting the species with a <u>first</u> compound to form a ~~composition~~ <u>second</u> compound comprising a structure:
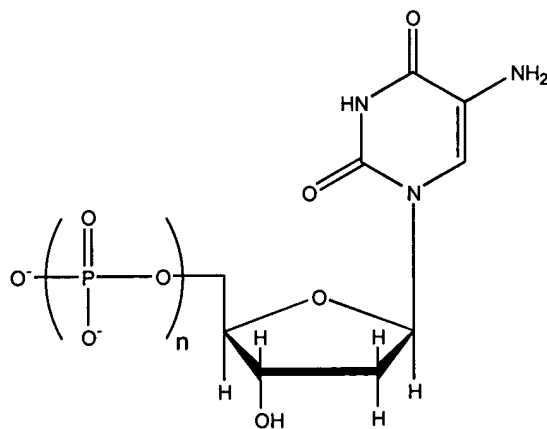

，

wherein n is at least 2.

5.　　(Currently Amended)　The method of synthesizing a ~~composition~~ compound of claim 4, wherein the nucleoside comprises deoxyuridine.

6.　　(Canceled).

7.　　(Currently Amended)　The method of synthesizing a ~~composition~~ compound of claim 4, wherein the nucleoside comprises 5-nitro-2'-deoxyuridine.
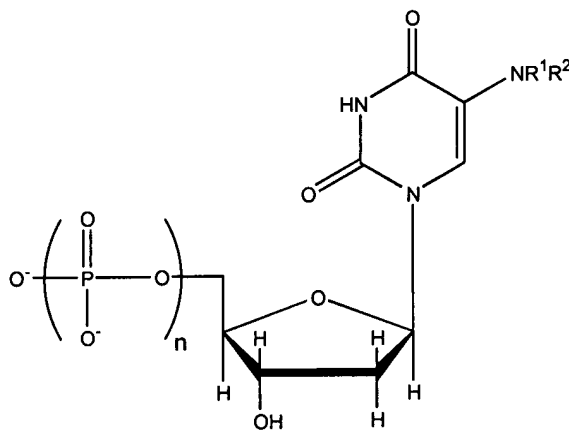
8-30. (Canceled).

31. (Currently Amended) A method of synthesizing ~~an amine~~ a nucleotide, comprising:

providing a ~~composition~~ first compound comprising a structure:

wherein n is at least 2; and

reacting the NH_2 group of the ~~composition~~ first compound with a second compound to form ~~an amine~~ a nucleotide comprising a structure:

R^1 and R^2 each comprising an atom, wherein at least one of R^1 and R^2 comprises a carbon atom.

32. (Currently Amended) The method of synthesizing ~~an amine~~ a nucleotide of claim 31, wherein at least one of R^1 and R^2 comprises a fluorescent entity.

33.   (Currently Amended) The method of synthesizing ~~an amine~~ a nucleotide of claim 31,
       wherein at least one of R^1 and R^2 comprises a radioactive entity.

34-48. (Canceled).

883027.1